

27 Aug 2010

GRIP (FLL-JSC-DFRC) 14Z Daily Telecon / Webinar

Participants

FLL Team – Jeff Halverson, Michael Goodman, John Molinari, Scott Braun, Aaron Bansemer, Steve Durden, Luke Ziemba, Seyed Ismail, Paul Bui

Telecon

Tim Miller, Gerry Heymsfield, Michael Black, Bjorn Lambrigtsen, Shannon Brown, Gary Wick, Ed Zipser, Svetla Hristova-Veleva, Ramesh Kakar, Bob Houze

Global Hawk Report

- **Aircraft – green**
 - Saturday – 18hr science flight into H. Frank in the EPac ; 13Z (6a local) flight
 - HAMSR would like a sonde near water; looking for a flight plan near a 00Z Vandenberg launch
- **Dropsonde – red**
 - 1st sonde launch good; 2nd sonde did not launch because pin release in launch tube stuck (perhaps vacuum pressure against the pin) – might need a redesign of a solenoid. Low altitude test was at 15K ft
 - Engineers understand the cause of the error but still working on the fix
 - Confirmed that the pin will fail with >14 oz of pressure. Ordered a new solenoid with a stronger pull mechanism
 - Re-fly of Low Altitude test flight is tbd
 - COA to drop in the Gulf and Atlantic is approved. Can still drop sondes in Pacific in international waters but seeking COA for Pacific in US territories
- **HAMSR – green**. Interested in validation data with drops or radiosondes
- **LIP - green**
- **HIWRAP – yellow**
 - but can still fly; HIWRAP pulled from Global Hawk today for yesterday but will be reinstalled on Friday for Saturday's flight.

WB-57 Report

- **Aircraft – green**
- **HIRAD - green**
 - HIRAD arrived on Tuesday
 - Checkout flight (3hr) on Friday
 - Calm waters over a buoy at different altitudes
 - Decision to suitcase will be made on Saturday; Fly precipitation WB-57 suitcase flights will be out of MacDill AFB, Tampa FL
 -
- NAST-I delayed until next week.

- NAST-I will not be onboard for the test Friday flight. The piggybacking ground rules for NAST-I are such that it will not impact HIRAD. No separate test flights will be done for NAST-I.

DC8 Report

- Aircraft – green.
 - Suitcase flight to STX on Saturday
- LASE – green.
- LARGE – green.
- APR2 – green.
- DAWN – yellow.
 - Successfully collected data during the 24Aug flight but the wind retrievals are still being analyzed and processed
 - Found a solution from U,V,W components of the wind
- Microphysics – green
 - PIP installed but comm flights; to be resolved during 28Aug flight. Will confirm
 - CSI cannot fly for the duration of GRIP
- MMS – green.
- Dropsonde – green.

Science

- Suitcase flight to STX beginning this Saturday. Targeting now TS Earl which will most likely by H. Earl when we fly on Sun/Mon. Hopeful to catch a sequence of Cat 1 to Cat 2 intensification.
- Planning on a rotated fig-4 with long legs in TS/H Earl
- 10am (14Z) ferry - 2.5 hr flight to STX; For a period during the ferry there will be straight and level flights at 10K altitude for DAWN
- Discussion about night landings at STX and that should can be done but not preferred. Will adjust departures on Sunday and Monday to land before dark.
- GH science flight on Saturday (6a local / 13Z departure) to a weakening H. Frank in the EPac. Concerned that cloud top are to high/vigorous for this first flight. Current GH rule is not to fly over tops < -50K